WATER SUPPLY OUTLOOK FOR IDAHO

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

AS OF
MAY 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

SCS PHOTO A-272-11

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

U.S. DEPARTMENT of AGRICULTURE
SOIL CONSERVATION SERVICE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY

USDA-SCS-PORTLAND, OREG. 1973

WATER SUPPLY OUTLOOK FOR IDAHO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK for IDAHO

GENERAL SUMMARY FOR MAY 1, 1974

The outlook for water supply is good to excellent throughout Idaho. Seasonal streamflow forecasts vary from 113% of normal for the Bruneau and Little Lost Rivers to 187% of average for Magic Reservoir Inflow. Irrigation reservoirs are expected to fill by the start of the major irrigation season.

Soil moisture is good to excellent except for lower elevations which have lost moisture to wind and warm temperatures during the last two weeks of April. Valley precipitation during April was below normal throughout the state, except in the Spokane-Pend Oreille division, thus contributing to the loss of low elevation soil moisture.

The winter season of 1973-74 has been another heavy snow year throughout the state. As of April 1, 1974, thirty snow courses had new record snow-water equivalents. Snowfall during April was generally below normal; however, fifteen snow courses in Northern and South Central Idaho still had a record snowpack as of May 1.

Relatively warm temperatures during the last two weeks of April melted the low elevation snow and started the melting process at middle elevations. Resulting runoff has caused minor flooding on the Coeur d'Alene drainage in Northern Idaho and the Sand Creek watershed in Eastern Idaho. Several other drainages in the state were at near flood stage.

USDA-SCS-PORTLAND, OREG. 1961 M-3155-2

Snowmelt at high elevations has been retarded by cool nighttime temperatures, however, the first week of May has reversed this trend and the higher snow courses are now beginning to produce runoff. Flood warnings have been issued for the Big Wood River, Henrys Fork and Middle Fork of the Salmon River and continued vigilance should be exercised on all watersheds experiencing high runoff.

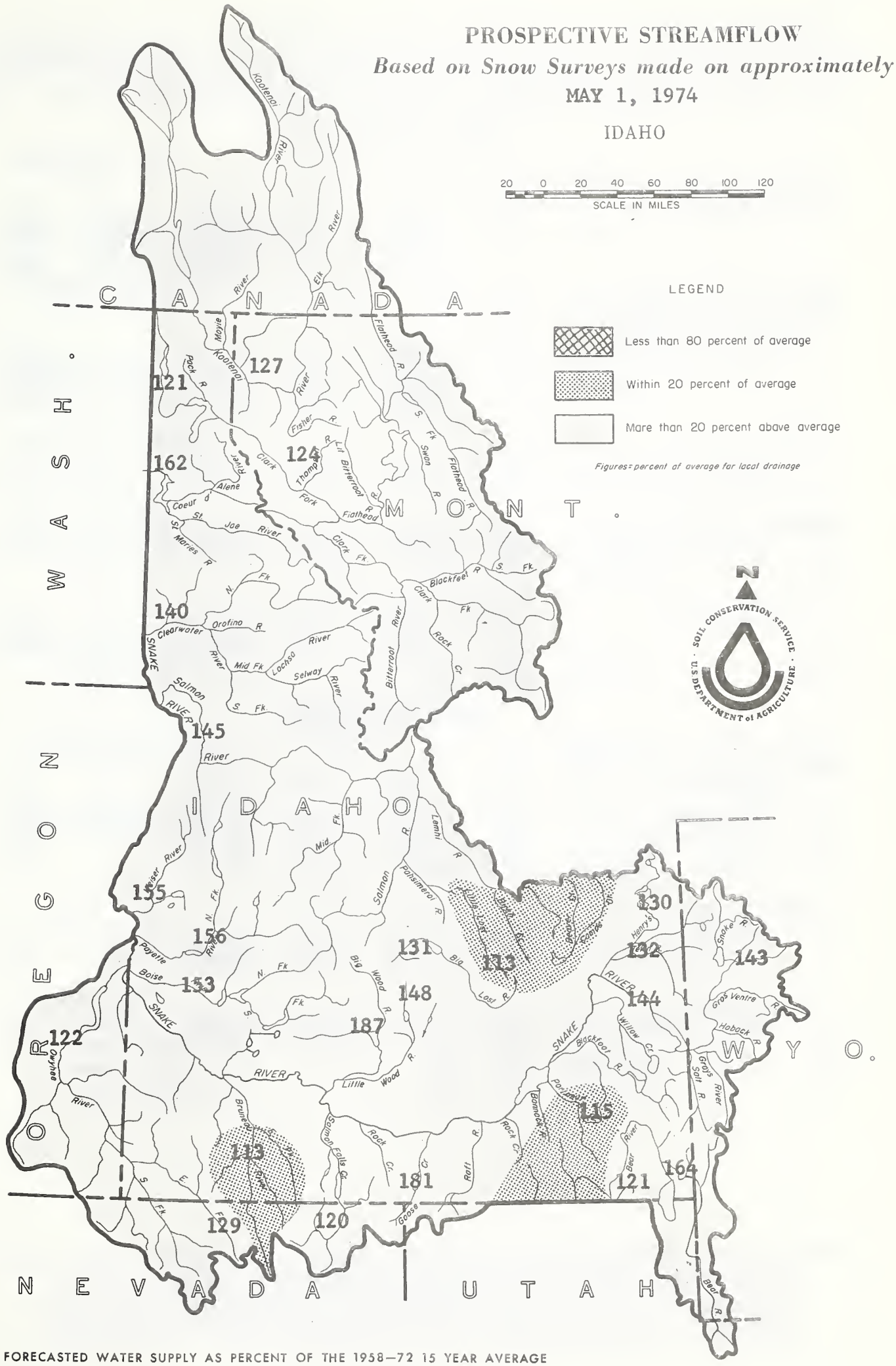
The heavy snowpack at high elevations poses a definite hazard for damaging high water. The weather for the next few weeks will be the critical factor in determining the magnitude of the problem. Continued warm temperatures and spring rains would greatly increase the hazard.

PROSPECTIVE STREAMFLOW

Based on Snow Surveys made on approximately

MAY 1, 1974

IDAHO



FORECASTED WATER SUPPLY AS PERCENT OF THE 1958—72 15 YEAR AVERAGE

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	THIS YEAR FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	10500	127	May-Sep	5484	8262
		9200	129	May-Jul	4663	7146
		7100	126	May-Jun	3768	5620
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	15600	124	May-Sep	--	12533
		14280	127	May-Jul	--	11283
		11800	124	May-Jun	--	9523
Priest River						
Priest River 1/	(nr)	830	121	May-Jul	--	686
SPOKANE RIVER						
Post Falls 2/	(at)	3250	162	May-Sep	--	2010
St. Joe River						
Calder	(at)	1660	158	May-Sep	--	1047
		1550	158	May-Jul	--	978
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	1230	143	Apr-Sep	--	858
Heise 4/	(nr)	5150	144	May-Sep	2738	3577
Blackfoot 5/	(nr)	5425	143	May-Jul	--	3793
Weiser	(at)	7000	138	May-Sep	--	5076
Henrys Fork						
Ashton 6/	(nr)	740	130	May-Sep	--	569
Rexburg 7/	(nr)	1600	131	May-Sep	--	1224
Teton River						
St. Anthony	(nr)	525	132	May-Sep	--	398

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR FORECAST[c] Thousand Acre Feet	THIS YEAR FORECAST[c] Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average +
Portneuf River						
Topaz	(at)	75	115	May-Sep	--	65
Oakley Reservoir Inflow		33	181	May-Sep	--	18.3
Salmon Falls Creek						
San Jacinto	(nr)	65	120	May-Sep	--	54
		60	120	May-Jul	--	50
Bruneau River						
Hot Springs	(nr)	185	113	May-Sep	--	163
Little Lost River						
Howe	(nr)	40	113	May-Sep	--	35.4
Big Lost River						
Howell Ranch	(at)	260	131	May-Sep	--	198
		180	132	May-Jun	--	136
Mackay 1/	(nr)	220	131	May-Sep	--	168
Big Wood River						
Magic Reservoir		390	187	May-Sep	--	209
Inflow 2/		365	188	May-Jul	--	194
Little Wood River						
High Five Creek	(ab)	105	148	May-Sep	--	71
Boise River						
Twin Springs	(nr)	920	154	May-Sep	--	597
		840	155	May-Jul	--	542
Boise 3/	(nr)	1950	153	May-Sep	--	1276
South Fork						
Anderson Dam 4/	(at)	790	154	May-Sep	--	513
Owyhee River						
Gold Cr., Nev. 5/	(nr)	15	188	May-Jul	--	8
Owyhee, Nev. 5/	(nr)	53	129	May-Jul	--	41
Lake Owyhee		220	122	May-Sep	145	180
net inflow 6/		195	124	May-Jul	118	157

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.

+ 1958-1972 period.

STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD	
		FORECAST		FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POINT		Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +
Payette River						
Horseshoe Bend 1/	(nr)	2400	156	May-Sep	--	1536
Banks 2/	(nr)	1300	157	May-Jul	--	830
North Fork						
Cascade 3/	(at)	740	157	May-Sep	--	470
Banks 3/	(nr)	945	160	May-Sep	--	589
Weiser River						
Weiser ab. Crane Creek 4/		425	155	May-Sep	--	274
Salmon River						
Whitebird	(at)	9150	145	May-Sep	--	6311
Clearwater River						
Spalding	(at)	9500	140	May-Sep	--	6797
GREAT BASIN						
BEAR RIVER						
Harer	(at)	350	164	May-Sep	--	214
Montpelier Creek						
Montpelier	(nr)	7.5	74	May-Sep	--	10.2
Cub River						
Preston	(nr)	56	121	May-Sep	--	46.1

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1974		Fall - Winter Nov. 73 - Apr. 74	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	2.24	+0.63	23.48	+ 7.75
Flathead	1.92	+0.21	18.12	+ 5.28
Clark Fork	0.58	-0.48	7.62	+ 1.61
Pend Oreille-Spokane	2.67	+0.37	34.85	+13.80
Upper Snake	1.16	-0.63	15.17	+ 3.27
Snake River Plain	0.73	-0.23	7.31	+ 1.44
Salmon-Payette-Boise	1.16	-0.31	20.53	+ 7.02
Clearwater	2.97	-0.20	23.88	+ 5.07
Owyhee-Malheur	0.65	-0.11	7.53	+ 1.14

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

RESERVOIR STORAGE (1,000 Ac. Ft.)

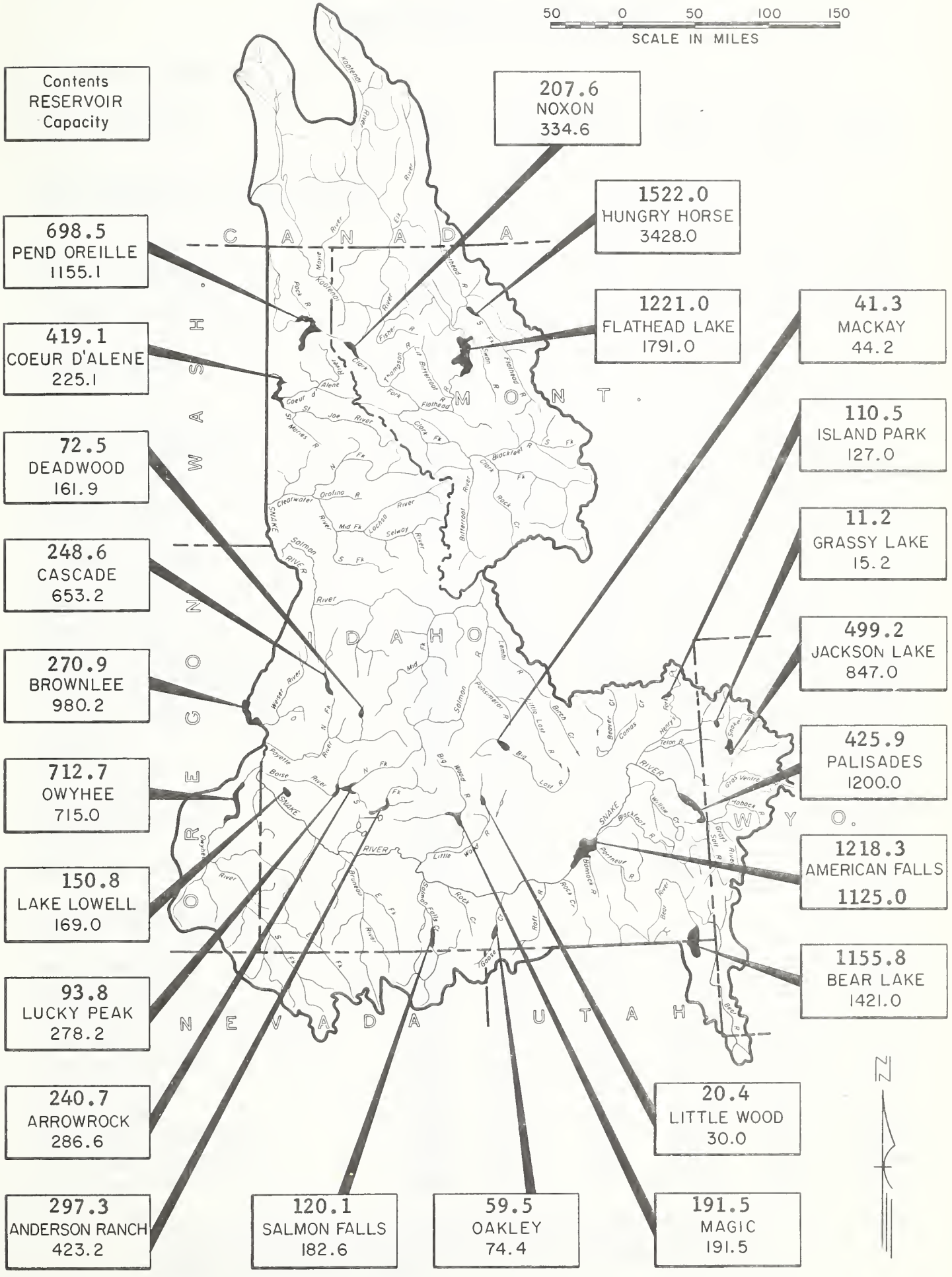
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1522.0	2054.0	2006.0
Flathead	1791.0	1221.0	674.1	977.9
Pend Oreille	1155.1	698.5	411.0	534.3
Noxon	334.6	207.6	57.9	138.4
Spokane				
Coeur d'Alene	225.1	419.1	116.1	253.1
SNAKE BASIN				
Snake				
Jackson Lake	847.0	499.2	647.4	501.7
Palisades	1200.0	425.9	975.8	774.4
American Falls	1125.0	1218.3	1127.1	1089.7
Island Park	127.0	110.5	133.1	132.1
Grassy Lake	15.2	11.2	10.8	10.9
Brownlee	980.2	270.9	830.6	432.9*
Goose-Trapper Creeks				
Oakley	74.4	59.5	57.6	27.3
Salmon Falls Creek				
Salmon Falls	182.6	120.1	133.5	59.4
Big Lost				
Mackay	44.2	41.3	40.5	31.7
Big Wood				
Magic	191.5	191.5	191.5	170.2
Little Wood				
Little Wood	30.0	20.4	29.0	24.6
Fish Creek				
Carey Valley	14.4	13.0	11.2	--
Boise				
Anderson Ranch	423.2	297.3	314.4	282.0
Arrowrock	286.6	240.7	282.7	231.4
Lucky Peak	278.2	93.8	245.9	142.5
Lake Lowell (Deer Flat)	169.0	150.8	159.7	155.4
Owyhee				
Owyhee	715.0	712.7	714.0	563.7
Payette				
Cascade	653.2	248.6	395.4	353.8
Deadwood	161.9	72.5	96.3	92.4
Weiser				
Mann Creek	11.1	10.3	11.3	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1155.8	1126.6	1040.0

*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1974



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average 6
UPPER COLUMBIA RIVER BASIN						
KOOTENAI RIVER						
Bear Mountain	5400	4/26	234	118.0	43.3	68.8
Smith Creek	4800	4/25	154	75.6	33.4	47.9
PEND OREILLE - PRIEST RIVER						
Benton Meadow	2344	4/30	0	0.0	0.0	0.0
Benton Spring	4900	4/30	58	27.0	9.4	15.7
Schweitzer Bowl	4500	4/30	87	42.2	12.7	26.6*
Schweitzer Ridge	6100	4/30	152	70.5	36.7	50.6*
HAYDEN LAKE						
Chilco Ridge	3650	4/29	9	3.9	0.0	--
Conie Creek Ridge	3900	4/29	T	T	0.0	--
Corner Creek	3200	4/29	0	0.0	0.0	--
Sage Creek Saddle	4100	4/29	61	25.8	0.0	--
Ulrich Creek	2800	4/29	0	0.0	0.0	--
SPOKANE RIVER						
Above Burke	4100	5/1	64	28.8	3.0	--
Above Burke (SP)	4100	5/1	--	24.6	--	--
Copper Ridge	4800	4/30	83	37.5	0.0	27.3
#Forty-nine Meadows	5000	4/30	85	34.5	10.0	30.3*
Fourth of July Summit	3100	4/30	0	0.0	0.0	--
Granite Peak	6000	4/30	151	60.4	30.9	48.3*
Lookout	5250	5/1	110	48.0	16.8	37.7
#Lost Lake	6000	4/30	245	104.0	35.6	62.0*
Lower Sands Creek	3400	4/30	65	27.1	0.0	16.0
Medicine Ridge	6150	4/30	149	59.8	31.2	51.5*
Sherwin	3200	4/30	33	13.0	0.0	--
Sherwin (SP)	3200	4/30	--	16.4	--	--
CLEARWATER RIVER						
Buck Meadows	5600	5/2	86	34.6	16.2	32.7*
Cayuse Airstrip	3700	4/29	3	1.2	0.0	0.2*
Coolwater Mountain	6200	4/29	115	42.1	24.4	34.5*
Coolwater Mountain (SP)	6200	4/29	--	40.8	15.2	--
Crater Meadows	6100	4/29	139	56.6	32.0	50.2*
Crooked Fork	3600	4/25	20	7.6	0.0	--
Elk Butte	5550	4/30	127	49.4	16.3	36.1*
Fish Lake Airstrip	5000	4/29	126	49.8	24.4	43.2*
Forty-nine Meadows	5000	4/30	85	34.5	10.0	30.3*
Goat Lake	6600	4/29	151	61.8	36.9	54.7*

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average 6
#Granite Peak	6000	4/30	151	60.4	30.9	48.3*
Hemlock Butte	5500	4/29	166	64.8	35.8	54.4*
#Hoodoo Basin Mont.	6000	5/3	153	75.2	34.8	55.2
#Hoodoo Creek Mont.	5900	5/3	148	72.2	31.6	52.2
Lolo Pass	5250	4/25	84	40.5	13.5	32.3
Lost Lake	6000	4/30	245	104.0	35.6	62.0*
#Medicine Ridge	6150	4/30	149	59.8	31.2	51.5*
#Nez Perce Pass Mont.	6575	4/29	54	23.0	10.7	15.6
Orogrande Mountain	7800	4/29	135	48.2	30.1	47.5*
Orogrande Mountain (SP)	7800	4/29	--	60.5	--	--
Pierce Ranger Station	3170	4/30	0	0.0	0.0	1.3
Powell Ranger Station	3410	4/25	10	3.2	0.0	0.0
Savage Pass	6160	4/25	78	35.1	17.2	29.2*
Savage Pass (New)	6160	4/25	84	35.8	17.4	--
Shanghai Summit	4600	4/29	90	35.9	12.0	24.0*
SALMON RIVER						
Big Creek Summit	6600	4/30	121	58.6	26.2	37.0
#Boulder Creek	5500	4/29	66	31.6	8.2	15.7*
Brundage Mountain	7560	4/26	148	65.8	38.5	51.9*
#Deadwood Summit	7000	4/29	161	71.5	33.5	48.2*
#Galena Summit	8795	4/29	94	42.0	18.1	26.0
#Gibbons Pass Mont.	7100	5/1	70	31.9	20.2	24.2
Mill Creek Summit	8870	4/30	84	37.4	16.4	25.6*
Moose Creek	6200	4/29	49	20.0	11.8	16.0*
Morgan Creek	7580	4/30	39	16.8	9.6	13.1*
#Rock Flat Summit	5200	4/26	59	25.2	10.2	16.5*
#Secesh Summit	6600	4/26	128	60.3	28.5	--
#Squaw Meadow	5800	4/26	119	56.8	28.0	36.5*
Twin Peaks (A)	10300	4/30	84	37.4	--	--
Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
Lemhi River						
Above Gilmore	8200	4/30	36	13.9	8.0	--
Aspen-Hall Pass (A)	8110	4/30	10	3.9	--	--
Copes Camp (A)	7500	4/30	0	0.0	--	--
Hall Creek (A)	7560	4/30	T	T	--	--
Meadow Lake	9100	4/30	75	32.5	16.6	--
Schwartz Lake (A)	8500	4/30	45	17.4	--	--

*(b) 1958–72, 15 year period. #Not located directly on this drainage. * Estimated 1958–72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
MIDDLE SNAKE RIVER BASIN - NORTHSIDE						
BIG LOST RIVER						
Bear Canyon	7920	4/26	66	26.4	10.1	--
Copper Basin	7650	4/26	26	10.4	0.0	--
Lost-Wood Divide	7900	4/26	90	39.5	--	--
Stickney Mill	7500	4/26	T	T	3.2	--
White Knob	7700	5/1	28	10.1	--	--
LITTLE WOOD RIVER						
#Bear Canyon	7920	4/26	66	26.4	10.1	--
Garfield Rgr. Sta.	6554	4/30	0	0.0	T	--
Muldoon	6300	4/30	0	0.0	0.0	--
Swede Peak	7650	4/30	42	17.3	13.0	15.0*
BIG WOOD RIVER						
Dollarhide Summit	8620	4/26	86	36.0	--	--
Galena	7300	4/29	59	26.8	8.8	15.5
Galena Summit	8795	4/29	94	42.0	18.1	26.0
Graham Ranch	6200	4/29	17	6.7	3.2	7.0*
#Lost-Wood Divide	7900	4/26	90	39.5	--	--
Mascot Mine	7900	4/26	46	18.8	8.8	--
Mount Baldy	9000	4/30	77	31.4	16.4	22.7
Soldier Rgr. Sta.	6100	4/30	0	0.0	0.0	--
#Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
BOISE RIVER						
Atlanta Summit	7500	5/3	112	49.6	28.9	36.1
Bad Bear	5500	4/29	22	8.9	0.0	5.0*
#Bogus Basin	6120	5/3	50	25.5	13.3	23.2
Bogus Basin Road	5360	5/1	0	0.0	0.0	0.0
#Dollarhide Summit	8620	4/26	86	36.0	--	--
Jackson Peak	7000	4/29	107	49.2	25.4	31.8*
Moores Creek Summit	6100	4/29	100	45.0	22.2	30.6
#Soldier Rgr. Sta.	6100	4/30	0	0.0	0.0	--
Trinity Mountain	7780	5/3	126	63.6	33.6	44.2*
#Vienna Mine	8900	4/26	125	60.8	27.7	38.0*
PAYETTE RIVER						
#Big Creek Summit	6600	4/30	121	58.6	26.2	37.0
Bogus Basin	6120	5/3	50	25.5	13.3	23.2
#Brundage Mountain	7560	4/26	148	65.8	38.5	51.9*
Cozy Cove	5900	4/29	34	12.8	4.4	9.8
Crawford Rgr. Sta.	4800	4/30	0	0.0	0.0	0.0

*(b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average 6
Deadwood Airstrip	5440	4/29	20	8.9	T	--
Deadwood Dam	5290	4/29	29	11.4	2.6	10.9
Deadwood Summit	7000	4/29	161	71.5	33.5	48.2*
#Jackson Peak	7000	4/29	107	49.2	25.4	31.8*
Lake Fork	6000	4/28	50	20.4	6.2	--
Rock Flat Summit	5200	4/26	59	25.2	10.2	16.5
Secesh Summit	6600	4/26	128	60.3	28.5	--
Squaw Meadow	5800	4/26	119	56.8	28.0	36.5*
WEISER RIVER						
Boulder Creek	5500	4/29	66	31.6	8.2	15.7*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [6]
MIDDLE SNAKE RIVER BASIN - SOUTHSIDE						
RAFT RIVER						
Howell Canyon	8000	5/2	63	33.5	25.2	23.6*
SALMON FALLS CREEK						
#Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Cedar Creek (A)	7000	4/29	0	0.0	5.4	3.1
Deadline	6900	4/25	52	26.4	23.0	19.5
Goat Creek (A) Nev.	8800	4/29	45	18.4	21.2	20.7*
#Hummingbird Spgs.(A) Nev.	8945	4/29	66	26.9	27.8	25.8*
Magic Mountain	6700	4/25	49	24.7	18.6	15.9
#Pole Creek R. S. Nev.	8330	4/25	64	26.1	24.0	22.7
Red Point (A) Nev.	7940	4/29	0	0.0	8.4	--
Wilson Creek (A)	7500	4/29	0	0.0	9.1	--
BRUNEAU RIVER						
Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Hummingbird Spgs. (A) Nev.	8945	4/29	66	26.9	27.8	25.8*
Pole Creek Rgr. Sta. Nev.	8330	4/25	64	26.1	24.0	22.7
#Seventy-six Creek Nev.	7100	4/29	T	T	--	--
OWYHEE RIVER						
#Bear Creek (A) Nev.	7800	4/29	46	18.8	27.8	20.0*
Silver City	6400	4/27	33	15.1	4.7	8.9*
South Mountain	6340	5/2	17	8.9	2.8	6.8*

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average [6]
UPPER SNAKE RIVER BASIN						
HENRYS FORK RIVER						
Big Springs		6500	4/29	53	23.3	14.5	17.1*
Black Canyon		7850	4/25	121	52.0	34.3	--
Black Canyon (New)		7850	4/25	116	53.6	33.8	--
Black Moose		8125	4/25	133	59.8	38.2	--
Grassy Lake	Wyo.	7230	4/30	99	49.2	31.0	34.3*
Island Park		6315	4/29	38	15.8	9.0	10.2*
Latham Springs		7650	4/25	110	52.0	33.8	--
Lucky Dog		6900	4/25	77	35.4	23.6	--
Sawtelle Mountain		8715	4/29	116	49.9	33.5	38.1*
Targhee Pass		7000	4/29	44	15.9	9.6	15.4*
Valley View		6500	4/29	30	11.8	8.0	14.2*
White Elephant		7700	4/29	93	39.5	24.6	--
TETON RIVER						
Darby Canyon	Wyo.	8250	4/29	76	30.9	23.1	--
Freds Mountain	Wyo.	8000	4/29	76	30.7	22.7	--
Garns Mountain		8300	4/29	111	49.1	37.3	--
Indian Meadows	Wyo.	8200	4/29	114	51.8	34.3	--
Jackpine Creek	Wyo.	7500	4/29	64	28.5	22.1	--
McRenold Reservoir		6800	4/29	45	19.9	18.6	--
Miles Creek	Wyo.	7500	4/29	27	10.9	12.0	--
Phillips Bench	Wyo.	8200	4/30	99	43.1	23.8	--
Pine Creek Pass		6750	4/29	46	20.1	15.6	12.5*
State Line		6400	4/29	31	13.0	12.2	8.7
Teton Pass W.S.	Wyo.	8400	4/30	85	38.3	27.1	--
WILLOW - SAND CREEKS						
Aspen Grove		6600	5/5	0	0.0	--	--
Birch Creek		6800	5/5	0	0.0	--	--
Blue Ridge		6775	5/5	7	3.3	--	--
Bone		6200	5/5	0	0.0	--	--
Brockman Station		6500	5/5	0	0.0	--	--
Hell Creek		7100	5/5	6	2.5	--	--
Henry Creek		5650	5/5	0	0.0	--	--
Ozone		5800	5/5	0	0.0	--	--
Mud Creek		7150	5/5	16	7.2	--	--
Sheep Mountain		6510	5/5	0	0.0	--	--
Tex Creek		6550	5/5	0	0.0	--	--
BLACKFOOT RIVER						
Slug Creek Divide		7225	4/29	28	12.2	14.8	--

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average (b)
GREAT BASIN						
BEAR RIVER						
Emigrant Summit	7350	4/29	64	29.0	23.8	23.6*
Montpelier Creek						
Giveout	6840	4/29	0	0.0	10.8	6.7*
Little Beaver	6970	4/29	0	0.0	12.8	11.6*
Lower Home Canyon	7500	4/29	22	8.8	11.0	--
Montpelier Creek	6570	4/29	0	0.0	3.7	--
Upper Home Canyon	8500	4/29	59	23.2	21.5	--
Whiskey Flat	6985	4/29	0	0.0	6.9	3.2*
Mink Creek						
#Emigrant Summit	7350	4/29	64	29.0	23.8	23.6*
Cub River						
Cub River R. S.	5400	4/30	0	0.0	0.0	1.0
Willow Flat	6100	4/30	20	8.2	5.6	3.7*

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SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
SPOKANE RIVER							
Fourth of July Summit	3100	48	11.6	5/1	10.0	10.2	10.0
Lookout	5250	48	11.0	5/1	8.6	8.4	8.5
SALMON RIVER							
Mill Creek Summit	8870	48	8.4	4/30	6.6	3.4	3.8
Lemhi River							
Above Gilmore	8200	60	5.4	4/30	4.3	2.6	4.2
Meadow Lake	9100	48	4.4	4/30	2.7	2.1	2.5
RAFT RIVER							
Howell Canyon	8000	48	11.5	5/2	11.9	9.3	8.0
BEAR RIVER							
Emigrant Summit	7350	36	8.4	4/29	7.7	6.6	7.7
Montpelier Creek							
Giveout Pass	7025	36	9.4	4/29	7.9	4.3	7.5
Jenson Ranch	6580	48	18.7	4/29	15.4	13.1	16.1
HENRYS FORK RIVER							
Island Park	6315	48	9.9	4/29	10.7	9.5	9.6
Valley View	6500	48	13.3	4/29	12.4	7.6	11.7

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and Water Resources, British Columbia
Department of Resources and Development, Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agriculture Research Service

U. S. Department of Commerce
NOAA, National Weather Service

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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